



P.B. 5819 - Patentlaan 2
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AR

☐ Weiss, Wolfgang, Dipl.-Chem. Dr.
Weickmann & Weickmann
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4. APR. 2001
4.10.01
Datum: 30.03.2001

Zaichen/Ref./Réf. 22972P EP-WO	Anmeldung Nr./Application No./Demande n°. Patent Nr./Patent No./Brevet n°. 98963809.3
Anmelder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire Bayer Corporation	

COMMUNICATION

The European Patent Office herewith transmits

- the European search report
- the declaration under Rule 45 EPC
- the partial European search report under Rule 45 EPC
- the supplementary European search report concerning the international application under Article 157(2) EPC relating to the above-mentioned European patent application. Copies of the documents cited in the search report are enclosed.

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- Abstract Title Figure
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- The following figure will be published with the abstract, since the Search Division considers that it better characterises the invention than the one indicated by the applicant.
- Figure:
 Additional copy(copies) of the documents cited in the European search report.

REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.





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SUPPLEMENTARY
PARTIAL EUROPEAN SEARCH REPORT

Application Number

which under Rule 45 of the European Patent Convention EP 98 96 3809 shall be considered, for the purposes of subsequent proceedings, as the European search report

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
X	WO 97 30992 A (SQUIBB BRISTOL MYERS CO) 28 August 1997 (1997-08-28) * page 1, line 1 - line 3 * * examples 66,184 * * page 1, line 16 - line 33 *	1-19	C07C275/24 C07D213/02 C07D333/02 A61K31/17 A61K31/38 A61K31/44
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			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			C07D C07C A61K
The supplementary search report has been based on the last set of claims valid and available at the start of the search.			
INCOMPLETE SEARCH			
The Search Division considers that the present application, or some or all of its claims, does/do not comply with the EPC to such an extent that a meaningful search into the state of the art cannot be carried out, or can only be carried out partially, for the following claims:			
Claims searched completely :			
Claims searched incompletely :			
Claims not searched :			
Reason for the limitation of the search:			
Although claims 15 - 19 are directed to a method of treatment of the human/animal body (Article 52(4) EPC), the search has been carried out and based on the alleged effects of the compounds.			
Place of search		Date of completion of the search	Examiner
BERLIN		2 March 2001	O'Sullivan, P
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone		T : theory or principle underlying the invention	
Y : particularly relevant if combined with another document of the same category		E : earlier patent document, but published on, or after the filing date	
A : technological background		D : document cited in the application	
O : non-written disclosure		L : document cited for other reasons	
P : intermediate document		& : member of the same patent family, corresponding document	

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			TECHNICAL FIELDS SEARCHED (Int.Cl.6)

ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.

EP 98 96 3809

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Division de la
recherche

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27. DEZ 2000
27.6.
WWS

Datum/Date

21.12.2000

Zeichen/Ref./Réf. 22976 EP-WO	Anmeldung Nr./Application No./Demande n°/Patent Nr./Patent No./Brevet n°. 98963810.1
Anmelder/Applicant/Demandeur/Patentinhaber/Propriétaire/Titulaire Bayer Corporation	

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Figure:

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**SUPPLEMENTARY
PARTIAL EUROPEAN SEARCH REPORT**

Application Number

which under Rule 45 of the European Patent Convention EP 98 96 3810 shall be considered, for the purposes of subsequent proceedings, as the European search report

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
E	WO 99 23091 A (BOEHRINGER INGELHEIM PHARMA) 14 May 1999 (1999-05-14) see all of the examples * the whole document *	1-25	C07D231/38 C07D403/12 C07D409/12 C07D333/36 C07D307/66
E	WO 99 32110 A (BAYER AG) 1 July 1999 (1999-07-01) * the whole document *	1-25	C07D231/40 C07D401/12 C07D405/04 A61K31/415
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P,A	WO 98 22103 A (HEDGE PHILIP JOHN ;ZENECA LTD (GB); BOYLE FRANCIS THOMAS (GB)) 28 May 1998 (1998-05-28) * the whole document *	1-25	
Y	WO 96 40673 A (SUGEN INC) 19 December 1996 (1996-12-19) * the whole document *	1-25	
The supplementary search report has been based on the last set of claims valid and available at the start of the search.			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
INCOMPLETE SEARCH			C07D A61K
The Search Division considers that the present application, or some or all of its claims, does/do not comply with the EPC to such an extent that a meaningful search into the state of the art cannot be carried out, or can only be carried out partially, for the following claims:			
Claims searched completely :			
Claims searched incompletely :			
Claims not searched :			
Reason for the limitation of the search: see sheet C			
Place of search MUNICH		Date of completion of the search 12 December 2000	Examiner Scruton-Evans, I
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons	
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INCOMPLETE SEARCH
SHEET C

Application Number
EP 98 96 3810

Although claims 15-23 are directed to a method of treatment of the human/animal body (Article 52(4) EPC), the search has been carried out and based on the alleged effects of the compound/composition.

Claim(s) searched completely:

3,7,8,17,20,

Claim(s) searched incompletely:

1,2,4-6,9-16,18,19,21-25

Reason for the limitation of the search:

Present claims 1,2,4-6,9-16,18,19,21-25 relate to an extremely large number of possible compounds. Support within the meaning of Article 84 EPC and/or disclosure within the meaning of Article 83 EPC is to be found, however, for only a very small proportion of the compounds claimed. In the present case, the claims so lack support, and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible. Consequently, the search has been carried out for those parts of the claims which appear to be supported and disclosed, namely those parts relating to the compounds of the examples, and those according to claim 3 wherein B is a defined group.

ANNEX TO THE EUROPEAN SEARCH REPORT
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12-12-2000

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		AU 6049396 A	30-12-1996

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☐ Weiss, Wolfgang, Dipl.-Chem. Dr.
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2) ha

27. DEZ. 2000
27.6. ✓ ww

Datum/Date
21.12.2000

Zeichen/Ref./Réf. 22970PEPW0/WWhh	Anmeldung Nr./Application No./Demande n°/Patent Nr./Patent No./Brevet n°. 98965981.8
Anmelder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire Bayer Corporation	

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
X	BOULTON, A. J. ET AL: "Heterocyclic rearrangements. X. Generalized monocyclic rearrangement" J. CHEM. SOC. C (1967), (20), 2005-7 , XP000943551 see compound xix	37	A61K31/425 A61K31/44 A61K31/47 C07D215/20 C07D231/40 C07D413/12 C07D261/14 C07D417/12
X	RUSSO, F. ET AL: "Synthesis of 2,6-substituted derivatives of 5H-1,3,4-thiadiazolo[3,2-a]-s triazine-5,7-dione" FARMACO, ED. SCI. (1978), 33(12), 972-83 , XP000943466 see compounds IIa-f	55	C07D401/12 C07D285/135 C07D333/36 C07D409/12
X	FOUSSARD-BLANPIN, ODETTE: "Comparative pharmacodynamic study of variously substituted carboxamides of the central nervous system" ANN. PHARM. FR. (1982), 40(4), 339-50 , XP000943598 see compound 884	37	
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			C07D A61K
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DOCUMENTS CONSIDERED TO BE RELEVANT		CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
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X	GRANT, A. M. ET AL: "Hypotensive thiadiazoles" J. MED. CHEM. (1972), 15(10), 1082-4., XP000944187 see compound 27 ---	55
X	KUBO, HIROSHI ET AL: "Herbicide activity of 1,3,4-thiadiazole derivatives" J. AGR. FOOD CHEM. (1970), 18(1), 60-5 , XP000943800 see Type II Table II ---	55
X	WO 97 40028 A (VERTEX PHARMACEUTICALS, INCORPORATED, USA) 30 October 1997 (1997-10-30) see compound 31, page 23 and compounds 85 and 86, page 24 ---	49,66
E	WO 99 32111 A (BAYER CORPORATION, USA) 1 July 1999 (1999-07-01) * the whole document *	1-77
E	WO 99 32455 A (BAYER CORPORATION, USA) 1 July 1999 (1999-07-01) * the whole document *	1-77
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	-/--	

TECHNICAL FIELDS
SEARCHED (Int.Cl.6)



DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
P, X	US 5 814 646 A (HEINZ, LAWRENCE J. ET AL) 29 September 1998 (1998-09-29) see compound 234, 237, 236, 238, 240, 242, column 15	37, 43, 55	
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X	see examples 9-20, column 20, (w)	31, 37, 43	
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Y	see example 27	1-77	
X	US 4 042 372 A (HARPER, RICHARD W.) 16 August 1977 (1977-08-16) see examples 5 and 9	55	
X	US 3 990 879 A (SOPER, QUENTIN F.) 9 November 1976 (1976-11-09) * the whole document *	55	
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DOCUMENTS CONSIDERED TO BE RELEVANT		CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
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X	FORBES, IAN T. ET AL: "N-(1-Methyl-5-indolyl)-N'-(3-methyl-5-iso thiazolyl)urea: A Novel, High-Affinity 5-HT _{2B} Receptor Antagonist" J. MED. CHEM. (1995), 38(6), 855-7 , XP000941493 see compound 4,5 ---	43
Y	WO 96 40673 A (SUGEN INC) 19 December 1996 (1996-12-19) * the whole document * ---	1-77
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P, Y	WO 98 22103 A (HEDGE PHILIP JOHN ; ZENECA LTD (GB); BOYLE FRANCIS THOMAS (GB)) 28 May 1998 (1998-05-28) * the whole document * -----	1-77
		TECHNICAL FIELDS SEARCHED (Int.Cl.6)

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ON EUROPEAN PATENT APPLICATION NO.

EP 98 96 5981

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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12-12-2000

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9640673 A		AU 6049396 A	30-12-1996
WO 9852559 A	26-11-1998	AU 7585598 A EP 0986382 A	11-12-1998 22-03-2000
WO 9822103 A	28-05-1998	AU 4956297 A EP 0941084 A NO 992336 A	10-06-1998 15-09-1999 14-05-1999



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Département à
 La Haye
 Division de la
 recherche

Weiss, Wolfgang, Dipl.-Chem. Dr.
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 81635 München
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Weickmann & Weickmann
 E 8 AUG. 2002
 Frist: 8.2.03
 Patentanwälte

EW-AG

Datum/Date
 07.08.02

Zeichen/Ref./Ref. 25679P EP-WO	Anmeldung Nr./Application No./Demande n°/Patent Nr./Patent No./Brevet n°. 00903239.2-2103-US0000648
Anmelder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire Bayer Corporation	

COMMUNICATION

The European Patent Office herewith transmits as an enclosure the European search report for the above-mentioned European patent application.

If applicable, copies of the documents cited in the European search report are attached.

Additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.

The following specifications given by the applicant have been approved by the Search Division:

abstract title

The abstract was modified by the Search Division and the definitive text is attached to this communication.

The following figure will be published together with the abstract: NONE

REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.





European Patent
Office

**SUPPLEMENTARY
PARTIAL EUROPEAN SEARCH REPORT**

Application Number

which under Rule 45 of the European Patent Convention shall be considered, for the purposes of subsequent proceedings, as the European search report

EP 00 90 3239

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	WO 99 20617 A (PHARMACIA & UPJOHN COMPANY, USA) 29 April 1999 (1999-04-29) *claims, abstract and in particular, compounds n, o, p and examples 1-17*	1-59,61	C07D211/78 C07D211/72 A61K31/33 A61K31/54 A61K31/535
X	RAPOSO, CESAR ET AL: "Catalysis of nucleophilic addition of pyrrolidine to 2-(5H)-furanone through chromenone cleft-type receptors" TETRAHEDRON LETT. (1996), 37(38), 6947-6950 XP002205797 *abstract and compounds 9 and 10*	1-59,61	A61K31/17 C07C275/20 C07C275/22 C07C275/24 C07C275/28
X	US 5 447 957 A (ADAMS, JERRY L. ET AL) 5 September 1995 (1995-09-05) *abstract; columns 1-5 and the examples; in particular, the compounds in column 7, lines 10-19, 23-25, 29-32, 36 and 37 and examples 2,4,5 and 6	1-59,61	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			C07C C07D A61K
The supplementary search report has been based on the last set of claims valid and available at the start of the search.			
INCOMPLETE SEARCH			
The Search Division considers that the present application, or some or all of its claims, does/do not comply with the EPC to such an extent that a meaningful search into the state of the art cannot be carried out, or can only be carried out partially, for the following claims:			
Claims searched completely :			
Claims searched incompletely :			
Claims not searched :			
Reason for the limitation of the search: see sheet C			
Place of search	Date of completion of the search	Examiner	
MUNICH	12 July 2002	Lorenzo, M.J.	
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention	
X : particularly relevant if taken alone		E : earlier patent document, but published on, or after the filing date	
Y : particularly relevant if combined with another document of the same category		D : document cited in the application	
A : technological background		L : document cited for other reasons	
O : non-written disclosure		
P : intermediate document		& : member of the same patent family, corresponding document	

7

EPO FORM 1503 03.82 (P04C20)



DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
X	US 4 973 675 A (ISRAEL, MERVYN ET AL) 27 November 1990 (1990-11-27) *abstract; columns 1 and 2 and in table 1, the urea derivative AD 334*	1-67	
X	DATABASE CA 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; YAGI, TOSHIHIKO ET AL: "Silver halide photographic material containing phenolic cyan coupler and colorless cyan coupler" retrieved from STN Database accession no. 113:142130 XP002205798 *in particular compound with rn:129093-98-7* * abstract * & JP 02 023337 A (KONICA CO., JAPAN) 25 January 1990 (1990-01-25)	1-59,61	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
X	DATABASE CA 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; MIZUKURA, NOBORU ET AL: "Silver halide color photographic material containing a cyan coupler of 2-ureido-phenol type to improve dye developability and remove leuco cyan dye" retrieved from STN Database accession no. 113:106314 XP002205799 *in particular, compound with rn:129093-98-7* * abstract * & JP 02 022650 A (KONICA CO., JAPAN) 25 January 1990 (1990-01-25)	1-59,61	



DOCUMENTS CONSIDERED TO BE RELEVANT		CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	DATABASE CA 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; JEFFCOAT, A. ROBERT ET AL: "The metabolism and toxicity of halogenated carbanilides. Biliary metabolites of 3,4,4'-trichlorocarbanilide and 3-trifluoromethyl-4,4'- dichlorocarbanilide in the rat" retrieved from STN Database accession no. 87:62295 XP002202286 * abstract * & DRUG METAB. DISPOS. (1977), 5(2), 157-66 , *compounds with rn:63348-38-9 and 63348-30-1* -----	1-59,61
X	WO 99 32463 A (BAYER CORPORATION) 1 July 1999 (1999-07-01) * page 1 - page 5; claims 1-21; tables 1-5 * -----	1-67
X	WO 95 33458 A (SMITHKLINE BEECHMAN CORPORATION) 14 December 1995 (1995-12-14) * page 1 - page 4; claims 1-13 * -----	1-67
A	WO 00 41698 A (BAYER CORPORATION) 20 July 2000 (2000-07-20) * page 1 - page 8; claims 1-37; tables 1-7 * -----	1-67
		TECHNICAL FIELDS SEARCHED (Int.Cl.7)



Although claims 62-67 are directed to a method of treatment of the human/animal body (Article 52(4) EPC), the search has been carried out in the extent mentioned below and based on the alleged effects of the compound/composition.

Claim(s) searched completely:
60,61,66 and 67

Claim(s) searched incompletely:
1-59 and 62-65

Reason for the limitation of the search:

Present claims 1-59 and 62-65 relate to an extremely large number of possible compounds, compositions and methods of treatment using these compounds. In fact, the claims contain so many options that lack of clarity (and conciseness), lack of support in the description and insufficiently disclosure (Art. 83 and 84 EPC) arise to such an extent as to render a meaningful search of the claims impossible. The initial phase of the search revealed a very large number of documents relevant to the issue of novelty. Some of the documents retrieved are mentioned in the search report. Therefore, a meaningful search over the whole breath of the claims is impossible.

Consequently, the search has been carried out for those parts of the application which do appear to be clear and supported in the description, namely the examples in tables 1-7. The search has been carried out for compounds of the general formula (I) with B= phenyl moiety substituted in meta by t-Bu or CF₃; A= Cy-L-Cy-G1, wherein Cy= cyclic moiety, L= linker of up to 20 atoms and G1=SO₂Rx, C(O)Rx or C(NRy)Rz.

ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.

EP 00 90 3239

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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12-07-2002

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 9920617	A	29-04-1999	AU	9802198 A	10-05-1999
			WO	9920617 A1	29-04-1999
US 5447957	A	05-09-1995	WO	9533460 A1	14-12-1995
US 4973675	A	27-11-1990	NONE		
JP 2023337	A	25-01-1990	NONE		
JP 2022650	A	25-01-1990	NONE		
WO 9932463	A	01-07-1999	AU	1939999 A	12-07-1999
			CA	2315715 A1	01-07-1999
			DE	1042305 T1	19-04-2001
			EP	1042305 A1	11-10-2000
			ES	2154252 T1	01-04-2001
			JP	2001526276 T	18-12-2001
			WO	9932463 A1	01-07-1999
WO 9533458	A	14-12-1995	WO	9533458 A1	14-12-1995
WO 0041698	A	20-07-2000	AU	2725000 A	01-08-2000
			EP	1158985 A1	05-12-2001
			WO	0041698 A1	20-07-2000
			US	2002065296 A1	30-05-2002

INTERNATIONAL SEARCH REPORT

BA

International application No.
PCT/US98/10375

A. CLASSIFICATION OF SUBJECT MATTER

IPC(6) :A61K 31/34, 31/38, 31/40

US CL :514/423, 445, 475

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 514/423, 445, 475

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

STN

search terms: formulae within table 3 and arthritis, inflammation .

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	TARZIA, G. et al. Synthesis and antiinflammatory properties of some pyrrolo(1H,3H)[3,4]pyrimidin-2-ones and pyrrolo(1H,3H)[3,4-d] pyrimidin-2-ones and pyrrolo(1H,6H)[3,4-d]pyrimidin-2-ones. Chemical Abstracts. 27 August 1979, Abstract No. 74558p; page 594.	1-16

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:	* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
A document defining the general state of the art which is not considered to be of particular relevance	*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
E earlier document published on or after the international filing date	*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	*A* document member of the same patent family
O document referring to an oral disclosure, use, exhibition or other means	
P document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

13 AUGUST 1998

Date of mailing of the international search report

03 SEP 1998

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US98/10376

A. CLASSIFICATION OF SUBJECT MATTER

IPC(6) :Please See Extra Sheet.
US CL :Please See Extra Sheet.

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 514/363, 371, 407, 415, 422, 426, 427, 438, 444, 447, 448; 548/128, 196, 365.7, 491, 527, 532; 549/59, 69, 71; 564/48

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Please See Extra Sheet.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 96/40673 A1 (SUGEN INC) 19 December 1996, page 87, lines 1-14, 16-19; page 88, lines 1-17.	1-17
Y	Database CA on STN, EP 676395 A2 (Hoechst A.-G., Germany), No. 124:86809, KLEEMANN et al., 'Preparation of (pyrrolyl- and thienylcarbonyl)guanidines as sodium-hydrogen exchange inhibitors, antiarrhythmic agents, and cell proliferation inhibitors.' abstract, Hanno Wild, 17 July 1996.	1-14
A	US 5,597,719 A (FREED et al.) 28 January 1997, entire document.	1-17

Further documents are listed in the continuation of Box C. See patent family annex.

* "A"	document defining the general state of the art which is not considered to be of particular relevance	* "T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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* "O"	document referring to an oral disclosure, use, exhibition or other means	* "A"	document member of the same patent family
* "T"	document published prior to the international filing date but later than the priority date claimed		

Date of the actual completion of the international search: 17 JUNE 1998
Date of mailing of the international search report: 30 JUL 1998

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(6) : Please See Extra Sheet.

US CL : Please See Extra Sheet.

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : Please See Extra Sheet.

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

CAS ONLINE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	Chem. abstr., Vol.116, No. 21, 25 May 1992 (Columbus, OH, USA), pages 741-742, column 2, the abstract No. 214456r, KUJUNDZIC, N. 'Synthesis of 8-methyl-1,2,3,4-tetrahydropyrido[3,4-d]pyrimidine-2,4-diones.' Croat. Chem. Acta. 1991, 64(4), 599-606 (Eng).	1-4
A	US 3,754,887 A (BRANTLEY) 28 August 1973, see entire document, especially column 1.	31-36
A	WHITE et al. Heterocyclic Ureas: Inhibitors of Acyl-CoA:Cholesterol O-Acyltransferase as Hypocholesterolemic Agents. J. Med. Chem. 25 October 1996, Vol. 39, No. 22, pages 4382-4395, especially pages 4387-4389.	1-4, 37-48, 55-60

 Further documents are listed in the continuation of Box C.
 See patent family annex.

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Date of the actual completion of the international search

11 MARCH 1999

Date of mailing of the international search report

02 APR 1999

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4,183,854 A (CROSSLEY) 15 January 1980, see entire document, especially column 1.	1-4
X	WO 96/25157 A1 (SMITHKLINE BEECHAM CORPORATION) 22 August 1996, see entire document, especially pages 16-17.	49-54, 61-65, 74, 76
X	WO 97/40028 A1 (VERTEX PHARMACEUTICALS INCORPORATED) 30 October 1997, see entire document, especially pages 11, 12, 16, 22 and 24, compound 85.	66-70, 77

INTERNATIONAL SEARCH REPORT

BD

International application No.
PCT/US98/26079

A. CLASSIFICATION OF SUBJECT MATTER

IPC(6) :A61K 31/415, 31/38, 31/385, 31/35
US CL :514/407, 438, 442, 473

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 514/407, 438, 442, 473.

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

APS
search terms: arthritis, atherosclerosis, furyl, isoxazolyil, pyridine.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5,319,099 A (KAMATA et al.) 07 June 1994. See entire document.	1-16

Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:	*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	*A* document member of the same patent family
O document referring to an oral disclosure, use, exhibition or other means	
P document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search
22 MARCH 1999

Date of mailing of the international search report
12 APR 1999

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A. CLASSIFICATION OF SUBJECT MATTER																				
IPC(6) :A61K 31/415, 31/38, 31/385, 31/35 US CL :514/407, 438, 442, 473 According to International Patent Classification (IPC) or to both national classification and IPC																				
B. FIELDS SEARCHED																				
Minimum documentation searched (classification system followed by classification symbols) U.S. : 514/407, 438, 442, 473																				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched																				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) APS terms searched: arthritis, furyl, isoxazoyl, pyridine.																				
C. DOCUMENTS CONSIDERED TO BE RELEVANT																				
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.																		
A	US 5,319,099 A (KAMATA et al.) 07 June 1994, see entire document.	1-41																		
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.																				
<table border="0"> <tr> <td>* Special categories of cited documents:</td> <td>*T*</td> <td>later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</td> </tr> <tr> <td>*A* document defining the general state of the art which is not considered to be of particular relevance</td> <td>*X*</td> <td>document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</td> </tr> <tr> <td>*E* earlier document published on or after the international filing date</td> <td>*Y*</td> <td>document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</td> </tr> <tr> <td>*L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</td> <td>*g*</td> <td>document member of the same patent family</td> </tr> <tr> <td>*O* document referring to an oral disclosure, use, exhibition or other means</td> <td></td> <td></td> </tr> <tr> <td>*P* document published prior to the international filing date but later than the priority date claimed</td> <td></td> <td></td> </tr> </table>			* Special categories of cited documents:	*T*	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention	*A* document defining the general state of the art which is not considered to be of particular relevance	*X*	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone	*E* earlier document published on or after the international filing date	*Y*	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art	*L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	*g*	document member of the same patent family	*O* document referring to an oral disclosure, use, exhibition or other means			*P* document published prior to the international filing date but later than the priority date claimed		
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L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	*g*	document member of the same patent family																		
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P document published prior to the international filing date but later than the priority date claimed																				
Date of the actual completion of the international search 22 MARCH 1999		Date of mailing of the international search report 12 APR 1999																		
Name and mailing address of the ISA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231 Facsimile No. (703) 305-3230		Authorized officer <i>Theodore J. Criares</i> THEODORE J. CRIARES Telephone No. (703) 308-1235																		

BF

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US98/26081

A. CLASSIFICATION OF SUBJECT MATTER
 IPC(6) :C07C 275/24 C07D 213/02, 333/02; A61K 31/17, 31/38, 31/44
 US CL :514/352, 438, 482; 546/309; 549/29; 564/47
 According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED
 Minimum documentation searched (classification system followed by classification symbols)
 U.S. : 514/352, 438, 482; 546/309; 549/29; 564/47

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
 NONE

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
 CAS COMPUTER SEARCH 1966-TO DATE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X ---- Y	US 5,429,918 A (SETO et al) 04 July 1995, column 4, compound (A-14).	1-7 ---- 1-7
X ---- Y	US 5,470,882 A (DIXON et al) 28 November 1995, see entire document.	1-9, 13 and 14 ----- 1-9, 13 and 14
X ---- Y	WO 96/25157 A1(SMITHKLINE BEECHAM CORPORATION) 22 August 1996, see entire document.	1-19 ----- 1-19

Further documents are listed in the continuation of Box C. See patent family annex.

- * Special categories of cited documents:
- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority data claimed
- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- *A* document member of the same patent family

Date of the actual completion of the international search
10 MARCH 1999

Date of mailing of the international search report
02 APR 1999

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INTERNATIONAL SEARCH REPORT

BG

International application No.
PCT/US98/26082

CLASSIFICATION OF SUBJECT MATTER

A. IPC(6) : C07D 231/38, 403/12, 409/12, 333/36, 307/66
 US CL : 548/368.4, 364.7; 549/59, 549/69, 549/473, 549/480
 According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 U.S. : 548/368.4, 364.7; 549/59, 549/69, 549/473, 549/480

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
 CAS ONLINE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X - Y	US 5,162,360 A (CRESWELL et al.) 10 November 1992, col. 2, lines 1-67, col. 3, lines 1-50, examples 22-23.	1-8, 24-25 ----- 9-23


Further documents are listed in the continuation of Box C. See patent family annex.

- | | |
|---|--|
| <ul style="list-style-type: none"> *A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier document published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed | <ul style="list-style-type: none"> *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art *Z* document member of the same patent family |
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Date of the actual completion of the international search
 15 APRIL 1999

Date of mailing of the international search report
 12 MAY 1999

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INTERNATIONAL SEARCH REPORT

BH

International application No.
PCT/US98/27265

A. CLASSIFICATION OF SUBJECT MATTER

IPC(6) : C07D 273/00, 275/00; A61K 31/17
US CL : 564/52, 53, 54, 55; 514/596, 598

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 564/52, 53, 54, 55; 514/596, 598

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Please See Extra Sheet.

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 3,151,023 A (MARTIN) 29 September 1964, see entire document.	1-22
Y	US 3,200,035 A (MARTIN ET AL.) 10 August 1965, see entire document.	14-22
X	US 3,230,141 (FRICK ET AL.) 18 January 1966, see entire document.	14-22
X	US 4,405,644 A (KABBE ET AL.) 20 September 1983, see entire document.	1-22
Y	GB 0,828,231 A (J.R. GEIGY A.G.) 17 February 1960, see entire document.	14-22

Further documents are listed in the continuation of Box C. See patent family annex.

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L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	*&* document member of the same patent family
O document referring to an oral disclosure, use, exhibition or other means	
P document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search
09 FEBRUARY 1999

Date of mailing of the international search report
02 MAR 1999

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INTERNATIONAL SEARCH REPORT

BI

International application No.
PCT/US00/00648

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) :Please See Extra Sheet.
US CL :Please See Extra Sheet.

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 546/288, 289, 291, 300 ; 514/183, 222.2, 228.8, 588, 595, 597, 598; 564/49, 50, 52,

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

CAS ONLINE, REGISTRY, HCAPLUS
search terms : cancer, raf kinase

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 98/52558 A1 (BAYER CORPORATION) 26 November 1998, (26.11.98) especially Tables 1-4, pages 65-76.	1-67
Y	WO 98/52559 A1 (BAYER CORPORATION) 26 November 1998 (26.11.98), especially Tables 1-4, pages 15-17.	1-67
Y,P	Database HCAPLUS, DN 131:87909, DUMAS et al. 'Inhibition of P38 kinase activity using substituted heterocyclic ureas.' Abstract, WO 99/32111, 01 July 1999, see entire document.	1-67
Y,P	Database HCAPLUS, DN 131:73649, DUMAS et al. 'Preparation of pyrazolyl aryl ureas and related compounds as P38 kinase inhibitors.' Abstract, WO 99/32110, 01 July 1999, see entire document.	1-67

Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier document published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search: 22 MAY 2000
Date of mailing of the international search report: 29 JUN 2000

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Authorized officer: RITA DESAI (with signature), Telephone No. (703) 308-1235

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US00/00648

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT.		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	Database HCAPLUS, DN 127:293717, KURIK M.V. et al. 'Optical properties of segmented oligourethane with azomethine terminal fragments.' Abstract, Vysokomol. Soedin. 1996, Vol. 38, No. 12, pages 2038-2041, especially RN# 197149-54-5.	1-48,60 and 61
X	Database HCAPLUS, DN 127:34137, KUBO et al. 'Preparation of quinoline and quinazoline derivatives inhibiting platelet-derived growth factor receptor autophosphorylation.' Abstract, WO 97/17329. 15 May 1997, see entire document, especially RN # 190726-87-5, 190726-88-6, 190727-39-0, 190727-43-6.	1-67
X	Database HCAPLUS, DN 126:166148, WINKLER et al. 'Inhibitors of coenzyme A-independent transacylase induce apoptosis in human HL-60 cells.' Journal of Pharmacol. 1996, Vol. 279, No. 2, pages 956-966, see entire document, especially RN# 162793-63-7 and 187173-03-1.	1-67
X	Database HCAPLUS, DN 98:78152, CHUGAI PHARMACEUTICAL CO. LTD., JAPAN. 'Antitumor benzophenone derivatives.' Abstract, JP 57185219. 15 November 1982, see entire document, especially RN# 3086-71-4.	1-67
A	Database HCAPLUS, DN 72:79046, HIRT et al. 'Tuberculostatic and cancerstatic polybasic ureas.' Abstract, CH 479557. 15 October 1969, see entire document, especially RN# 5262-16-8.	1-67
X,P	Database HCAPLUS, DN 131:58658, MILLER et al. 'Inhibition of raf kinase using symmetrical and unsymmetrical substituted diphenyl ureas.' Abstract, WO 99/32436. 01 July 1999, see entire document, especially RN# 228399-32-4.	1-67
X	Database HCAPLUS, DN 127:273945, DEARDEN et al. 'Quantitative structure-biodegradability studies: an investigation of the MITI aromatic compound database.' Nato ASI Srv. 1996, Vol. 23, pages 93-104, see entire document, especially RN# 24019-05-4.	1-48, 50 and 61
X	Database HCAPLUS, DN 125:245169, BONWICK et al. 'Production of murine monoclonal antibodies against sulcofuron and flucofuran by in-vitro immunization.' Journal of Immunological Methods. 1996, Vol. 196, No. 2, pages 163-173. See entire document, especially RN# 24019-05-04.	1-67

INTERNATIONAL SEARCH REPORT

BJ

National application No.
PCT/US00/00768

A. CLASSIFICATION OF SUBJECT MATTER
 IPC(7) : A61K 31/535, 31/50, 31/445, 31/44, 31/40, 31/34, 31/17
 US CL : Please See Extra Sheet.
 According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED
 Minimum documentation searched (classification system followed by classification symbols)
 U.S. : 514/235.5, 237.2, 252.13, 253.01, 331, 345, 350, 416, 417, 428, 471, 596, 597, 598

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
 Please See Extra Sheet.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 95/33458 A1 (SMITHKLINE BEECHAM CORPORATION) 14 December 1995 (14.12.95), see pages 1-11 and the claims.	1-38

Further documents are listed in the continuation of Box C. See patent family annex.

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| <p>* Special categories of cited documents:</p> <p>*A* document defining the general state of the art which is not considered to be of particular relevance</p> <p>*E* earlier document published on or after the international filing date</p> <p>*L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>*O* document referring to an oral disclosure, use, exhibition or other means</p> <p>*P* document published prior to the international filing date but later than the priority date claimed</p> | <p>*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>*X* document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>*Y* document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>*Z* document member of the same patent family</p> |
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Date of the actual completion of the international search <p style="text-align: center;">25 MARCH 2000</p>	Date of mailing of the international search report <p style="text-align: center; font-size: 1.5em; font-weight: bold;">16 MAY 2000</p>
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INTERNATIONAL SEARCH REPORT

BK

International Application No

PCT/US 02/12064

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D213/75 C07D217/22 C07D401/12 C07D215/38 C07D403/12
 A61K31/44 A61K31/47 A61P29/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BEILSTEIN Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	MUIJLWIJK-KOEZEN, J.E. ET. AL.: "Isoquinoline and Quinazoline Urea Analogues as Antagonists for the Human Adenosine A3 Receptor." JOURNAL OF MEDICINAL CHEMISTRY, vol. 43, no. 11, 2000, pages 2227-38, XP002147879 Table 1, compounds 8a, 8b, 8d --- -/--	20, 21, 25, 28, 29, 32, 33

Further documents are listed in the continuation of box C.

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* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
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Date of the actual completion of the international search

13 September 2002

Date of mailing of the international search report

20/09/2002

Name and mailing address of the ISA

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Authorized officer

Helps, I

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 02/12064

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CARLING, R.W. ET. AL.: "1-(3-Cyanobenzylpiperidin-4-yl)-5-methyl-4-phenyl 1,3-dihydroimidazol-2-one: A Selective High Affinity Antagonist for the Human Dopamine D4 Receptor with Excellent Selectivity over Ion Channels" JOURNAL OF MEDICINAL CHEMISTRY, vol. 42, no. 14, 1999, pages 2706-15, XP001093697 Table 2, compound 7 ----	20,21,28
X	US 4 279 639 A (OKAMOTO ET. AL.) 21 July 1981 (1981-07-21) examples 5-8 ----	20,22
X	WO 99 32463 A (BAYER CORPORATION) 1 July 1999 (1999-07-01) page 4, line 28 -page 7, line 17; claims ----	1,2,6,7, 9,11-15, 28,29,32
Y		1-39
X	WO 00 41698 A (BAYER CORPORATION) 20 July 2000 (2000-07-20) ----	1,2,6,7, 11-15, 28,29,32
Y	Table 3, compound no. 9 page 6, line 29 -page 8, line 9 ----	1-39
A	DUMAS, J. ET. AL.: "1-Phenyl-5-pyrazolyl Ureas: Potent and Selective p38 Kinase Inhibitors." BIOORGANIC AND MEDICINAL CHEMISTRY LETTERS, vol. 10, 2000, pages 2051-4, XP004208309 tables 1-3 ----	1-39
A	WO 99 32111 A (BAYER CORPORATION) 1 July 1999 (1999-07-01) page 5, line 15 -page 6, line 9; claims; examples ----	1-39
P,Y	WO 01 36403 A (BOEHRINGER INGELHEIM PHARMACEUTICALS INC.) 25 May 2001 (2001-05-25) claims; examples -----	1-39

BL

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C07D213/40 C07D401/12 C07D215/38 A61K31/44 A61K31/4709
A61K31/4725 A61K31/47 A61P43/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C07D A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
BEILSTEIN Data, WPI Data, EPO-Internal, CHEM ABS Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	WO 99 32436 A (BAYER AG) 1 July 1999 (1999-07-01) see general definitions on pages 2-6, especially definitions of A, R4' and R5' and R3-6 as X-Y and examples.	1 1,2,4,5, 9-26
Y	--- WO 99 32106 A (BAYER AG) 1 July 1999 (1999-07-01) see description, pages 2-10 and examples	1,2,4,5, 9-26
Y	--- WO 00 42012 A (RIEDL BERND ;LOWINGER TIMOTHY B (JP); DUMAS JACQUES (US); RENICK J) 20 July 2000 (2000-07-20) see description, pages 2-6, examples and claims 7,8 --- -/--	1,2,4,5, 9-26

Further documents are listed in the continuation of box C.

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* Special categories of cited documents :

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Date of the actual completion of the international search

13 September 2002

Date of mailing of the international search report

02

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Authorized officer

Scruton-Evans, I

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 00 41698 A (RIEDL BERND ;LOWINGER TIMOTHY B (JP); DUMAS JACQUES (US); RENICK J) 20 July 2000 (2000-07-20) see description, pages 8-13 and claim 11 ---	1,2,4,5, 9-26
E	US 2002/065296 A1 (RIEDL BERND ET AL) 30 May 2002 (2002-05-30) the whole document ---	1,2,4,5, 9-26
X	WO 94 18170 A (SMITHKLINE BEECHAM PLC ;FORBES IAN THOMSON (GB); HAM PETER (GB); M) 18 August 1994 (1994-08-18) see formula I and examples. ---	1,3, 6-12,14, 18-27
X	US 5 596 001 A (HAMANAKA ERNEST S) 21 January 1997 (1997-01-21) see definitions of R4 and Q and examples ---	1,3, 6-12,14, 18-27
X	WO 00 47577 A (COULTON STEVEN ;JOHNS AMANDA (GB); PORTER RODERICK ALAN (GB); SMIT) 17 August 2000 (2000-08-17) see definitions of R2-R6 and R7 and examples ---	1,3, 6-12,14, 18-27
E	WO 02 062763 A (RIEDL BERND ;LOWINGER TIMOTHY B (JP); DUMAS JACQUES (US); RENICK J) 15 August 2002 (2002-08-15) the whole document ---	1-27
A	WO 99 21835 A (OKU TERUO ;SATO SHIGEKI (JP); INOUE TAKAYUKI (JP); URANO YASU HARU) 6 May 1999 (1999-05-06) see definitions of Y-R7 ---	1,3, 6-12,14, 18-27
X	WO 99 24398 A (BRITTAIN DAVID ROBERT ;JOHNSTONE CRAIG (GB); ZENECA LTD (GB)) 20 May 1999 (1999-05-20) see example 56 and gneral formula ---	1,2
P,X	WO 02 24635 A (HAMASHIMA HITOSHI ;TANIGUCHI KIYOSHI (JP); WASHIZUKA KENICHI (JP);) 28 March 2002 (2002-03-28) see Table 10 and example 64 -----	1,2